

We claim:

1. A portable electronic device, comprising:

an antenna duplexer;

an antenna used for transmitting or receiving the signals; and

a switch positioned between the antenna duplexer with the antenna, wherein, when the switch is closed, the antenna duplexer, the switch and the antenna will be electrically connected, and when the switch is open, the antenna duplexer and antenna will be disconnected.

2. The portable electronic device as claimed in claim 1, further comprising a cover.

3. The portable electronic device as claimed in claim 2, wherein the switch is mechanically connected to a button on the cover, such that when the button slides to one side, it closes the switch, and when the button slides to an opposite side, it opens the switch.

4. A portable electronic device having a control apparatus and an antenna used for transmitting or receiving signals, comprising:

an entering calls confining apparatus, which can make an electronic connection between the control apparatus and the antenna, so that entering calls are accepted, and can disconnect the control apparatus from the antenna so that entering calls are blocked.

5. The portable electronic device as claimed in claim 4, wherein said control apparatus is an antenna duplexer.

6. The portable electronic device as claimed in claim 4, wherein said entering call confining apparatus is a switch.

7. The portable electronic device as claimed in claim 6, further comprising a cover, including the control apparatus and the entering call confining apparatus therein.

8. The portable electronic device as claimed in claim 7, wherein a button controlling said switch is positioned on the cover.

9. A method of using a multi-functional cellular phone comprising steps of:

providing an antenna;

providing electrical circuits operating and operated by said antenna; and

providing a switch accessible from an exterior; wherein

when said cellular phone is performed for non-communication usages including picture taking or music playing, the antenna does not function under a condition of the switch being activated for such disconnection.